

# Converting Colors

XYZ(48.3783, 33.4967, 14.1562)

Have a look what the booklet for  
XYZ(48.3783, 33.4967, 14.1562)  
contains.

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# Color

**XYZ(48.3889, 33.4832,  
14.2685)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FD715D                     |
| RGB           | 253, 113, 93               |
| RGB Percent   | 99%, 44%, 36%              |
| CMY           | 0.0078, 0.5568, 0.6353     |
| CMYK          | 0.00, 0.55, 0.63, 0.01     |
| HSL           | 8°, 98%, 68%               |
| HSV           | 8°, 63%, 99%               |
| XYZ           | 48.3889, 33.4832, 14.2685  |
| YIQ           | 152.5800, 89.8600, 23.4600 |

# Conversions

## Conversions Part 2

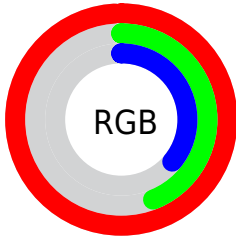
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 253, 116, 93                   |
| Decimal                             | 16609629                       |
| CIE Lab                             | 64.55, 52.05, 37.29            |
| CIE LCh                             | 65, 64.027, 35.624             |
| Yxy                                 | 33.4832, 0.5033,<br>0.3483     |
| Android<br>(android.graphics.Color) | 4294799709<br>(0xFFFD715D)     |
| YUV                                 | 152.5800, -29.3729,<br>88.0683 |
| Hunter-Lab                          | 57.8647, 48.0061,<br>25.8853   |

# Details

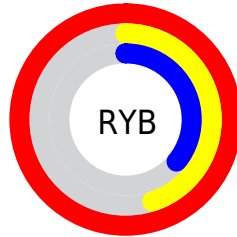
The XYZ color **48.3889, 33.4832, 14.2685** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **51.3805, 67.6923, 103.2858**, and the grayscale version is **30.1931, 31.7655, 34.5926**.

A 20% lighter version of the original color is **60.2767, 51.2789, 33.1064**, and **23.2414, 14.1705, 4.0950** is the 20% darker color. If you saturate the color by 10%, you get **45.2722, 28.7566, 8.5856**, and if you desaturate by 10%, it is **52.4799, 39.5661, 22.1046**.

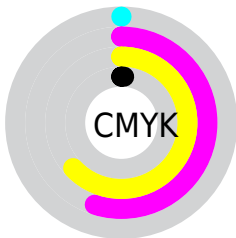
# Distribution



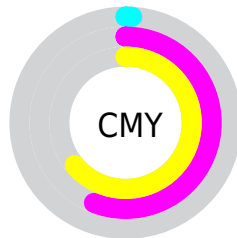
- Red (99%)
- Green (44%)
- Blue (36%)



- Red (99%)
- Yellow (45%)
- Blue (36%)



- Cyan (0%)
- Magenta (55%)
- Yellow (63%)
- Black (1%)




- Cyan (1%)
- Magenta (56%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3889, 33.4832, 14.2685 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.3889, 33.4832, 14.2685 by changing the saturation by 10% instead.





 48.3889, 33.4832,  
14.2685


 48.3889, 33.4832,  
14.2685


370.8886,  
317.8215, 230.3811

 34.3475, 22.4969,  
8.1668


 86.9894, 65.1292,  
34.2886

 23.3248, 14.2224,  
4.1125


 112.2791, 86.5576,  
49.0441

 14.9556, 8.2755,  
1.6873


 142.0490,  
112.2356, 67.5213

 8.8743, 4.2718,  
0.3520

 176.6645,  
142.5474, 90.1387

 4.7157, 1.8267,  
0.0000

216.4908,  
177.8775, 117.3148

 2.1145, 0.5037,  
0.0000

261.8933,

 0.6971, 0.0000,

218.6103, 149.4682

0.0000

313.2375,  
265.1301, 187.0174

■ 0.0000, 0.0000,  
0.0000

■ 48.3889, 33.4832,  
14.2685

■ 48.3889, 33.4832,  
14.2685

■ 45.2722, 28.7566,  
8.5856

■ 52.4799, 39.5661,  
22.1046

■ 43.0448, 25.2764,  
4.8385

■ 57.6159, 47.0931,  
32.2792

■ 41.6103, 22.9245,  
2.7662

■ 63.8638, 56.1511,  
44.9597

■ 41.0145, 21.8961,  
2.0647

■ 71.2839, 66.8185,  
60.2976

■ 79.9324, 79.1682,  
78.4322

89.8617, 93.2687,  
99.4934

94.3178, 99.6225,  
108.8657

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.7589, 33.4832, 31.7362



48.3889, 33.4832, 14.2685



39.6586, 33.4832, 7.1159

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.3889, 33.4832, 14.2685



18.3308, 33.4832, 19.3550



33.5815, 33.4832, 113.1830

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.3889, 33.4832, 14.2685



51.3805, 67.6923, 103.2858

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



25.0971, 33.4832, 104.3725



48.3889, 33.4832, 14.2685



17.3220, 33.4832, 41.6253

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.3889, 33.4832, 14.2685



22.6318, 33.4832, 8.9114



19.5513, 33.4832, 74.4198



43.2208, 33.4832, 94.7237



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.3889, 33.4832, 14.2685



33.1873, 33.4832, 5.7509



19.5513, 33.4832, 74.4198



30.5001, 33.4832, 113.3867

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.3897, 33.4850, 14.2691



76.1434, 73.1348, 68.8467



59.3214, 34.6711, 81.6585



15.7758, 14.9074, 13.6446



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3897, 33.4850, 14.2691



45.3705, 28.1647, 7.4882



61.2601, 59.2259, 18.5592



18.1924, 18.3529, 18.7280



21.8737, 11.7586, 1.1168



2.1847, 1.2547, 0.1270



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



51.3805, 67.6923, 103.2858



48.4972, 65.2393, 104.6441



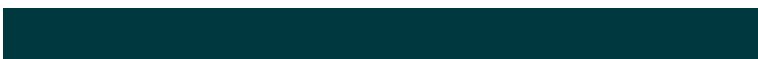
33.8546, 32.6406, 97.4438



18.3496, 20.0709, 23.1569



23.3116, 31.5328, 54.2924



2.3218, 3.1742, 5.3036



# Previews

## White Background



This preview shows how the XYZ color 48.3889, 33.4832, 14.2685 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3889, 33.4832, 14.2685 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.3889, 33.4832, 14.2685**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3889, 33.4832, 14.2685.



This preview shows how white text looks on a background with the XYZ color 48.3889, 33.4832,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

48.3889, 33.4832, 14.2685

### Protanopia

31.2336, 33.6747, 19.6055

### Deuteranopia

34.3243, 33.6910, 13.4980



## Tritanopia

49.6599, 33.5070, 20.6798

# Trichromacy



## Original Color

48.3889, 33.4832, 14.2685

## Protanomaly

35.8430, 32.3286, 17.4476

## Deuteranomaly

38.4804, 32.9087, 13.7751

## Tritanomaly

49.2643, 33.5224, 18.0613

# Monochromacy



## Original Color

48.3889, 33.4832, 14.2685

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

34.1715, 30.6345, 25.5847

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3889, 33.4832, 14.2685 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(253, 113, 93)` looks like.

```
.text, #text, p{  
    color:rgb(253, 113, 93)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(253, 113, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 113, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3889, 33.4832, 14.2685 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(253, 113, 93) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(253, 113, 93) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(253, 113, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 113, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 113, 93);  
box-shadow:4px 4px 4px 4px rgb(253, 113,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3889, 33.4832, 14.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 113, 93) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(253,  
113, 93) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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